



Atty. Docket No. 3003-1033

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Brian Charles PIKE

Confirmation No. **9440**

Serial No. 09/725,466

GROUP 3721

Filed November 30, 2000

Examiner Sameh Tawfik

CARTON FILLING DEVICES

AMENDMENT

**RECEIVED**

**NOV 27 2002**

Commissioner for Patents

TECHNOLOGY CENTER R3700

Washington, D.C. 20231

Sir:

Responsive to the Official Action of June 24, 2002,  
please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 1, between lines 1 and 2, add the section heading  
as follows:

a<sup>1</sup> --Field of the Invention--.

Page 1, between lines 13 and 14, add the section  
heading as follows:

a<sup>2</sup> --Summary of the Invention--.

Page 2, between lines 17 and 18, add the section  
heading as follows:

a<sup>3</sup> --Brief Description of the Drawings--.

Page 2, between lines 26 and 27, add the section  
heading as follows:

a<sup>4</sup> --Detailed Description of the Invention--.

Page 2, replace the paragraph beginning on line 27,  
bridging page 3, as follows:

STP 7  
as  
--The device shown in the drawings incorporates a conveyor 1 on which are carried (for example) individual food trays 2 which are to be inserted into open ended cartons 3. As the conveyor 1 moves (from right to left as shown in Figure 1) the cartons 3 move at the same speed with the conveyor. A robotic support body 4 incorporates a control mechanism arranged to move the support body about suitable rotational axes so as to cause a control arm 5 to be moved across the conveyor 1. The arm 5 incorporates paddles 6 which engage with the trays 2 so as to push the trays towards the cartons 3. The arm 5 is moved across the conveyor 1, but at the same time moves from right to left at the same speed as for the conveyor 1. the diagonal path taken by a head 9 of the support body, carrying the arm 5, is indicated by the broken line 7 as shown in Figures 2 and 3. This results in the trays 2 being pushed fully home into the cartons 3. The arm 5 is then raised and the head 9 is brought back along the reciprocal path 8 (as shown in Figure 4) until the arm returns to and is lowered into the start condition as shown in Figure 1. The same operation can then be employed to move another set of four trays into a subsequent series of four cartons.--